Synopsis:

NOTE : The program reads and writes data into a file 'account.dat' in binary format.

The program lets the user create a bank account and manipulate it as per the users wish. The user is first presented with a choice to either create an account or access/modify an existing account.

Creation of account involves procurement of necessary details from the user such as name, desired password, etc., after which a random account number is assigned to the account. The entered details are passed into a binary data file that functions as a database containing details of all the accounts in the bank.

Accessing an existing account requires the user to enter the username and corresponding password. If the password does not match the entered username, the user is asked to enter the username and password again. Once this is done, the user can choose to perform one of the following functions

1. Deposit Money
2. Withdraw Money
3. Change Password

4. Apply for a loan
5. Check Balance
6. Log Out

Deposition or withdrawal of money involves the user entering the amount he/she wants to deposit/withdraw from his/her account and doing the same.

Changing password involves verifying the old password and then asking the user to enter the password he/she desires to have for the account.

Application for loans first involves asking the user the type of loan he/she would like to apply for: Personal loan, Car loan or House loan. The appropriate details involving the application for each type of loan are obtained from the user, after which the amount is deposited to their account.

After each of the above actions are completed, the modified details of the account are passed into the bank database (binary data file).

Checking the balance in an account involves printing the balance in the account on the screen.

The log out option takes the user back to the choice between creation or modification of the account.

OUTPUT:

Cyber Bank

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1 Create New Account
2 Existing Account
3.Exit
Enter your choice 1
Enter your name harshith
Enter password 12112
Confirm password 12112
Your account has been created
Your Account Number is 4294967086
Enter the amount to be deposited 5000
The details of your account are
Name: harshith
Password: 12112
Account Number: 4294967086
Balance: 5000
1 Create New Account
2 Existing Account
3.Exit
Enter your choice 2
Enter name harshtih
Enter password 12112
You have accessed your account
1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 5

Your Balance is 5000

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 1
1.Fixed deposit
2.Savings
Enter your choice 2
Enter the amount you want to deposit 5000
1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 5
Your Balance is 10000

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 1
1.Fixed deposit
2.Savings
Enter your choice 1

Enter the amount of money you want to deposit7000
The percentage interest is 11
Enter the time for which you want to deposit the money(in years) 5
You will earn Rs.7573 at the end of your time period

The money you have deposited has succesfuly been deducted from you main balance

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 5
Your Balance is 3000

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 2
Enter the amount you want to withdraw 3000
Your new balance is 0

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 4
1.Personal loan
2.Car Loan
3.Home Loan
Enter the type of loan you require1
Enter the amount you want to borrow (minimum amount 10,000) 10000
The rate of interest per annum is 12
Enter the period of time for which you want to borrow the money (in years) 5
The total amount to be paid at the end of the time period is 16000

The money hasbeen succesfuly deposited into your account
Your loan has been sanctioned,the amount has been transfered to your account

Enter your choice 4
1.Personal loan
2.Car Loan
3.Home Loan
Enter the type of loan you require2
Enter the amout of loan required to purchase your car10000
Enter the period of time for which you want to borrow the money (in years) 5
The total amount to be paid at the end of the time period is 13000
The money hasbeen succesfuly deposited into your account
Your loan has been scantioned,the amount has been transferred to your account
Your car will belong to the bank(as colatral) and will remain so till the loan h
as be paid off completely

Enter your choice 4
1.Personal loan
2.Car Loan
3.Home Loan
Enter the type of loan you require3
Enter the amout of loan required to purchase your house10000

Enter the period of time for which you want to borrow the money (in years) 5
The total amount to be paid at the end of the time period is 15500
The money has been succesfuly deposited into your account
Your loan has been scantioned,the amount has been transferred to your account
Your house will belong to the bank(as colatral) and will remain so till the loan
has be paid off completely

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 5
Your Balance is 30000

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 3
Enter the new password die
Confirm new password dead
Password did not match retype new password
Enter the new password die
Confirm new password die
Your password has been changed

1 Deposit Money
2 Withdraw Money
3 Change Password
4 Apply for Loan
5 Check Balance
6 Log Out
Enter your choice 6